Original/Duplicate/Triplicate

SBR No. H8/21-22
DATED 10-12-21

CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR.No. H8/21-22 Dt. 10-12-21

No. 3rd R.A. Bill Date.....2010

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code :-003-20-000040**

Schedule Docket No. Head of Account : **P 0300** M&R to Street lights - Replacement of Burnt bulbs etc

D.R.No. : **Period: 01-07-2021 to 30-09-2021 (for 3 months)**

Name of Work : *Operation and maintenance of Park Lighting System in Ward No 03 & 04 Package Y-12 of Yelahanka Zone*

Name of Contractor and Full Address:**M/S. Swamy Electrical**

Reference to Agreement No:EE/Ele/YLK/TENDWO/000040 /2020-21 Date:31/12/2020

Certified that the measurements were taken by me on 6/11/21 and recorded of Pages 257208 to 7209 of measurement Book No. 25731/21 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 6/11/21 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

		Amount
1)	Total value of work done or supplies made as per account within	3rd RA 165266=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	
	b) Payments Now made: cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.	
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	
	Total amount adjusted	

IT 1% = 1653=00
LWC 1% = 1653=00
SGST 1% = 1653=00
CGST 1% = 1653=00
CBFO. 1% = 165=00
Fine 1% = 6300=00
S.V 1% = 3305=00
Deduction = 16382=00
Bill chq = 148884=00

Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands)

(For use in the Office)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....
Initials of Officer making payment

Stamp

P0300 M&R to Street lights
Rs: 165266=00
Rs: 148884=00
Rs: 16382=00

Executive Engineer

Sl. No.	Description of item	Unit
	Name of Work :- Operation and maintenance of Park Lighting system in Ward No 03 & 04 Package Y-12 of Yelahanka Zone	
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Igniters, Capacitors, Switches , wires, Holders, Starter and switching ON/OFF of street lights at specified timing and Pole numbering,Preparing ward wise , street wise data bank furnishing maintenance reports every day etc complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below	
	i) Poles with 36/40 W fluorescent tube light street lighting system	Nos
2	Poles with 125 W MV light Park lighting system.	Nos
3	Poles with 250W HPMH light street lighting system.	Nos
4	Poles with 400 watts HPSV light street lighting system.	Nos
5	Poles with 24 W LED light street lighting system.	Nos
6	Poles with 65 W LED light street lighting system.	Nos
7	Poles with 90 W LED light street lighting system.	Nos
8	B. Work to be carried out as per requirement & actuals and as per the direction of the in charge engineer, Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/looting of the pole.a)5 mtr pole	
9	c) 8 Mtr and above street light pole	Nos
10	Operation and maintenance of Manual and Automatic Timer Switching circuits including replacement of electrical gadgets, such as MCB's Contactors, Timer, Cut-outs, wiring connector and M.S. Box with proper insulation etc., complete.	Nos
11	Moulded Case Circuit Breaker (MCCB) Three Pole 100Amps 25kA	Nos
12	4 Pole Power Contactor with NO/NC Contactor.100-125Amps	Nos
13	Miniature Circuit Breakers. 40 Amps SP	Nos
14	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm	Mtrs
15	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm	Mtrs
16	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete.	Mtrs
17	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc. Group A, PWD Elec SR 2006-07.	Nos
18	Providing servicess of Electrician With tools , Rs.14021.27/Month/person, Rs.14021.27÷26Days=539.27/Day/Person, Including E.S.I & PF, As per Go No KE/31/LMW/2017 Dated 28/4/2017 for maintenance of Fountain	Nos
19	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cable in open or consealed system of wiring.I Group A Materials.6 sqmm	Mtrs
20	Transporting and erecting of 3.5 Mtrs long Swged Tubelor park poles including Digging of pit 45x45x100cms & providing 1:2:4 concrete of size 35x35x130 cms Including coping as per the detaild enclosed civil estimate & drawimg	Nos

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
		For	3	Months	Upto Date paid so for 9 Months		
1x 6 Months	157.50	1	26.25	78.75	1x 9 Months	236.25	
601 x6 Months	199808.46	601	55.41	99904.23	601 x9 Months	299712.69	
99 x6 Months	54446.04	99	91.66	27223.02	99 x9 Months	81669.06	
16 x6 Months	8799.36	16	91.66	4399.68	16 x9 Months	13199.04	
100 x6 Months	43998.00	100	73.33	21999.00	100 x9 Months	65997.00	
1 x6 Months	573.48	1	95.58	286.74	1 x9 Months	860.22	
10 x6 Months	6499.80	10	108.33	3249.90	10 x9 Months	9749.70	
950	384750.00	0	405.00	0.00	950	384750.00	
99	41085.00	0	415.00	0.00	99	41085.00	
25 x6 Months	16249.50	25	108.33	8124.75	25 x6 Months	24374.25	
0	0.00	0	2718.00	0.00	0	0.00	
0	0.00	0	4320.00	0.00	0	0.00	
0	0.00	0	185.00	0.00	0	0.00	
198	22770.00	0	115.00	0.00	198	22770.00	
198	1980.00	0	10.00	0.00	198	1980.00	
147	6615.00	0	45.00	0.00	147	6615.00	
0	0.00	0	4200.00	0.00	0	0.00	
365	197100.00	0	540.00	0.00	365	197100.00	
0	0.00	0	25.00	0.00	0	0.00	
0	0.00	0	850.00	0.00	0	0.00	

21	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with W System Powerconsumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.KPWD ELE SR Page-66/12.8 LED Streetlight 90 Watts	Nos
	TOTAL	
	Add GST 12 % on item no 08 to 21	
	TOTAL Rs	
	Fine imposed for non burning of street lights For the period of 01/7/2021 to30/9/2021	
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material	
	GRAND TOTAL	

Certificate

The above said monthly maintenance work has been carried out satisfactorily

Assistant Executive Engineer (Elec)
BBMP, Bangalore

17	121720.00	0	7160.00	0.00	17	121720.00	
	1106552.14			**165266.07**		**1271818.21**	
	69470.40			0.00		69470.40	
	1176022.54			**165266.07**		**1341288.61**	
	24600.00			6300.00		30900.00	
	22131.04			3305.32		25436.36	
	1129291.50			**155660.75**		**1284952.25**	